CLAIMS

What is claimed is:

1. A mounting system comprising:

a mounting plate including a first surface portion, the mounting plate being adapted to mount to a supporting structure;

a support arm including an outward extending radial flange at a first end, the radial flange abutting the first surface portion of the mounting plate;

a cover including an aperture, the cover being affixed to the mounting plate with the radial flange disposed therebetween and with a second end of the support arm extending through the aperture; and

a flat panel display bracket rotatably affixed to the second end of the support arm.

2. The mounting system of claim 1, wherein the first surface portion comprises an elevated shoulder.

3. The mounting system of claim 1, wherein the flat panel display bracket is adapted to maintain a chosen orientation, relative to the support arm, under load.

4. The mounting system of claim 1, wherein the support arm is rotatable about an axis relative to the mounting plate, the axis being defined by the radial flange.

5. The mounting system of claim 4, wherein the mounting plate and the cover are adapted to exert axial pressure on the radial flange.

6. The mounting system of claim 5, wherein the axial pressure is adjustable.

7. The mounting system of claim 1, wherein the support arm comprises an articulating arm, the articulating arm comprising at least one joint.

8. The mounting system of claim 7, the articulating arm further comprising a first arm segment rotatably affixed to a second arm segment at the at least one joint, wherein the at least one joint is adapted to provide resistance to rotation between the first and second arm segments, the resistance to rotation being adjustable.

9. A mounting system comprising:

a mounting plate including a radially defined first surface portion and a second surface portion, the second surface portion including two or more mounting holes therethrough;

an articulating arm including an outward extending radial flange at a first end and at least one joint, the radial flange abutting the first surface portion of the mounting plate;

a cover including a central aperture, the cover being affixed to the mounting plate with the radial flange disposed therebetween and with a second end of the articulating arm extending through the central aperture;

a flat panel display bracket rotatably affixed to the second end of the articulating arm.

10. The mounting system of claim 9, wherein the first surface portion comprises an elevated shoulder.

11. The mounting system of claim 9, wherein the articulating arm is rotatable about an axis relative to the mounting plate, the axis being defined by the radial flange.

12. The mounting system of claim 11, wherein the mounting plate and the cover are adapted to exert axial pressure on the radial flange.

13. The mounting system of claim 12, wherein the axial pressure is adjustable.

14. The mounting system of claim 9, wherein the flat panel display bracket is adapted to maintain a chosen orientation, relative to the articulating arm, under load.

15. The mounting system of claim 9, the articulating arm comprising a first arm segment rotatably affixed to a second arm segment at the at least one joint, wherein the at least one joint is adapted to provide resistance to rotation between the first and second arm segments, the resistance to rotation being adjustable.

16. A mounting system comprising:

a mounting plate including a first surface portion and a second surface portion, the second surface portion including two or more mounting holes therethrough;

a first spacer abutting at least the first surface portion of the mounting plate;

a support arm including an outward extending radial flange and a cylindrical portion at a first end, the radial flange abutting the first spacer;

an annular spacer disposed about the cylindrical portion of the support arm adjacent the radial flange;

a cover including a central aperture, the cover being affixed to the mounting plate with the first spacer, the radial flange, and the annular spacer disposed therebetween and with a second end of the support arm extending through the central aperture; and

a flat panel display bracket rotatably affixed to the second end of the support arm.

17. The mounting system of claim 16, wherein the first surface portion comprises an elevated shoulder.

18. The mounting system of claim 16, wherein the flat panel display bracket is adapted to maintain a chosen orientation, relative to the support arm, under load.

19. The mounting system of claim 16, wherein the support arm is rotatable about an axis relative to the mounting plate, the axis being defined by the radial flange.

20. The mounting system of claim 19, wherein the mounting plate and the cover are adapted to exert axial pressure on the radial flange.

21. The mounting system of claim 20, wherein the axial pressure is adjustable.

22. The mounting system of claim 16, wherein the support arm comprises an articulating arm, the articulating arm comprising at least one joint.

23. The mounting system of claim 22, the articulating arm further comprising a first arm segment rotatably affixed to a second arm segment at the at least one joint, wherein the at least one joint is adapted to provide adjustable resistance to rotation between the first and second arm segments.

24. A mounting system comprising:

a mounting plate including a radially defined elevated shoulder and two or more mounting holes;

an articulating arm comprising a plurality of arm segments and at least one joint rotatably joining two of the plurality of arm segments, wherein a first of the arm segments includes an outward extending radial flange abutting the shoulder and the at least one joint is adapted to provide resistance to rotation between the two arm segments, the resistance to rotation being adjustable;

a cover including a central aperture, wherein the cover is affixed to the mounting plate with the radial flange disposed therebetween and with the first of the arm segments extending through the central aperture, the articulating arm being rotatable about a first axis defined by the radial flange, and wherein the mounting plate and the cover are adapted to exert axial pressure on the radial flange, the axial pressure being adjustable to maintain the articulating arm in a chosen orientation, relative to the mounting plate, under load;

a flat panel display bracket rotatably affixed to a second of the arm segments, the flat panel display bracket being adapted to maintain a chosen orientation, relative to the support arm, under load.

25. A mounting system comprising:

a plate including a radially defined first surface portion and means for mounting the plate to a supporting structure;

a support arm including an outward extending radial flange at a first end, the radial flange abutting the first surface portion of the plate;

a cover including a central aperture, the cover being affixed to the plate with the radial flange disposed therebetween and with a second end of the support arm extending through the central aperture, wherein the cover and the plate include means for exerting axial pressure on the radial flange, the means for exerting pressure being adjustable; and

a flat panel display bracket rotatably affixed to the second end of the support arm, the flat panel display bracket including means for maintaining a chosen orientation, relative to the support arm, under load.

26. The mounting system of claim 25, wherein the support arm comprises an articulating arm, the articulating arm including a plurality of arm segments and at least one joint rotatably joining two of the plurality of arm segments.

27. The mounting system of claim 26, wherein the at least one joint comprises means for providing adjustable resistance to rotation between the two arm segments.

28. The mounting system of claim 25, wherein the first surface portion comprises an elevated shoulder.